



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

K. TOMITA

Group Art Unit: 2817

Application No.: 09/805,103

Examiner: M. Shingleton

Filed: March 14, 2001

Docket No.: 108075-00048

For: DIFFERENTIAL AMPLIFIER HAVING IMPROVED BALANCE AND LINEARITY

RESPONSE UNDER 37 C.F.R. § 1.111

Commissioner for Patents
Washington, D.C. 20231

December 12, 2002

Sir:

In reply to the Office Action mailed September 12, 2002, please consider the remarks that follow.

REMARKS

The Office Action dated September 12, 2002 has been received and carefully noted. The following remarks, are submitted as a full and complete response thereto. Applicants thank the Examiner for the allowance of claims 6 and 8. In view of the following remarks, favorable consideration of claims 1-5 and 7 is respectfully requested.

Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Quinn Re. 31, 545. The Office Action takes the position that Quinn teaches or suggests all the features of the claimed invention. Applicant, however, respectfully submits that Quinn neither teaches nor suggests the features recited in claims 1 and 2. Moreover, Quinn also does not provide the benefits provided by the recited features. Accordingly, Applicant respectfully requests reconsideration of claims 1 and 2.

Claim 1 is directed to a differential amplifier that receives first and second input signals and generates first and second output signals. The differential amplifier comprises a first differential converter that includes a first grounded emitter amplifier that receives the

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